

## Message Text

UNCLASSIFIED

PAGE 01 TEL AV 10296 111550Z  
ACTION EB-08

INFO OCT-01 NEA-10 ISO-00 SOE-02 AID-05 CEA-01 CIAE-00  
COME-00 DODE-00 DOE-15 H-02 INR-10 INT-05 L-03  
NSAE-00 NSC-05 OMB-01 PM-05 ICA-20 OES-09 SP-02  
SS-15 STR-07 TRSE-00 ACDA-12 /138 W  
-----047737 121927Z /64

R 111320Z AUG 78  
FM AMEMBASSY TEL AVIV  
TO SECSTATE WASHDC 4827

UNCLAS TEL AVIV 10296

PASS DEPT. OF ENERGY FOR SIEVERING

E.O. 11652: N/A  
TAGS: ENRG, TECH, IS  
SUBJECT: PETROLEUM PRODUCTION BY ALGA:

DR. BENJAMIN SALOMON

1. DR. SALOMON IS COORDINATOR OF ISRAELI PROJECT FOR PRODUCTION OF LONG CHAIN ALIPHATIC COMPOUNDS IN THE RANGE OF TWELVE TO TWENTY CARBONS BY MEANS OF HALOPHILIC ALGA DUNALLIELA. PROJECT IS FUNDED BY GOI. SALOMON WISHES TO MEET WITH APPROPRIATE USG OFFICIAL IN WASHINGTON BETWEEN AUGUST 22 AND SEPTEMBER 5, PROBABLY TO SEEK GRANT AID VIA HIS POTENTIAL US ASSOCIATE, DUVAL CORPORATION OF TUSCON, ARIZONA, SUBSIDIARY OF PENNZOIL. REQUEST DOE SUPPLY NAME AND PHONE NUMBER OF SUITABLE OFFICIAL OR REFERENCE TO ANOTHER APPROPRIATE AGENCY/OFFICIAL WHOM SALOMON MAY CONTACT.

2. PATENT ON PROCESS WAS APPLIED FOR RECENTLY, TO BE OWNED EQUALLY BY PROF. RUDOLPH BLOCK (VISITING PROFESSOR AT MAX PLANCK INSTITUTE) AND YISSUM LTD., A WEIZMANN INSTITUTE AFFILIATE. EARLY EFFORTS WERE FUNDED BY KOOR INDUSTRIES IN ISRAEL AND UNCLASSIFIED

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HOFFMAN-LAROCHE, WHOSE INTEREST WAS PROTEIN PRODUCTION. PRESENT ALGA, OF A SLIGHTLY DIFFERENT GENETIC MAKEUP, CAN BE CONVERTED TO LONG CHAIN ALIPHATICS WITH YIELD 60 TO 50 PERCENT OF DRY WEIGHT AT VERY FAVORABLE ENERGY BALANCE.

3. SALOMON CLAIMS TWO BREAKTHROUGHS: (A) INEXPENSIVE MAEANS TO INTRODUCE CARBON DIOXIDE INTO SALT OR BRACKISH

WATER, UP TO SIXTY TIMES NATURAL LEVEL AND (B) INDEPENDENTLY OF  
FOREGOING, DEVELOPMENT OF SPECIES OF ALGA CONTAINING UP  
TO 70 PERCENT ELEMENTAL CARBON. PROCESS IS IN LABORATORY PHASE  
AND SMALL PILOT PLANT NOW ENVISAGED.  
LEWIS

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NNN

## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** PETROLEUM PRODUCTION, PLANNING MEETINGS  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 11 aug 1978  
**Decaption Date:** 01 jan 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 jan 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1978TELAV10296  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Expiration:**  
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**Review Event:**  
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**SAS ID:** 1762801  
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**Status:** NATIVE  
**Subject:** PETROLEUM PRODUCTION BY ALGA: DR. BENJAMIN SALOMON  
**TAGS:** ENRG, TECH, IS, (SALOMON, BENJAMIN)  
**To:** STATE  
**Type:** TE  
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**Review Markings:**  
Sheryl P. Walter  
Declassified/Released  
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**Markings:** Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014